

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P691522

Luminaire Tested: **CRTK2-C016-D-U-T3-7050-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691522
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-15)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-D-U-T3-7050-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4987 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B2 - U4 - G2

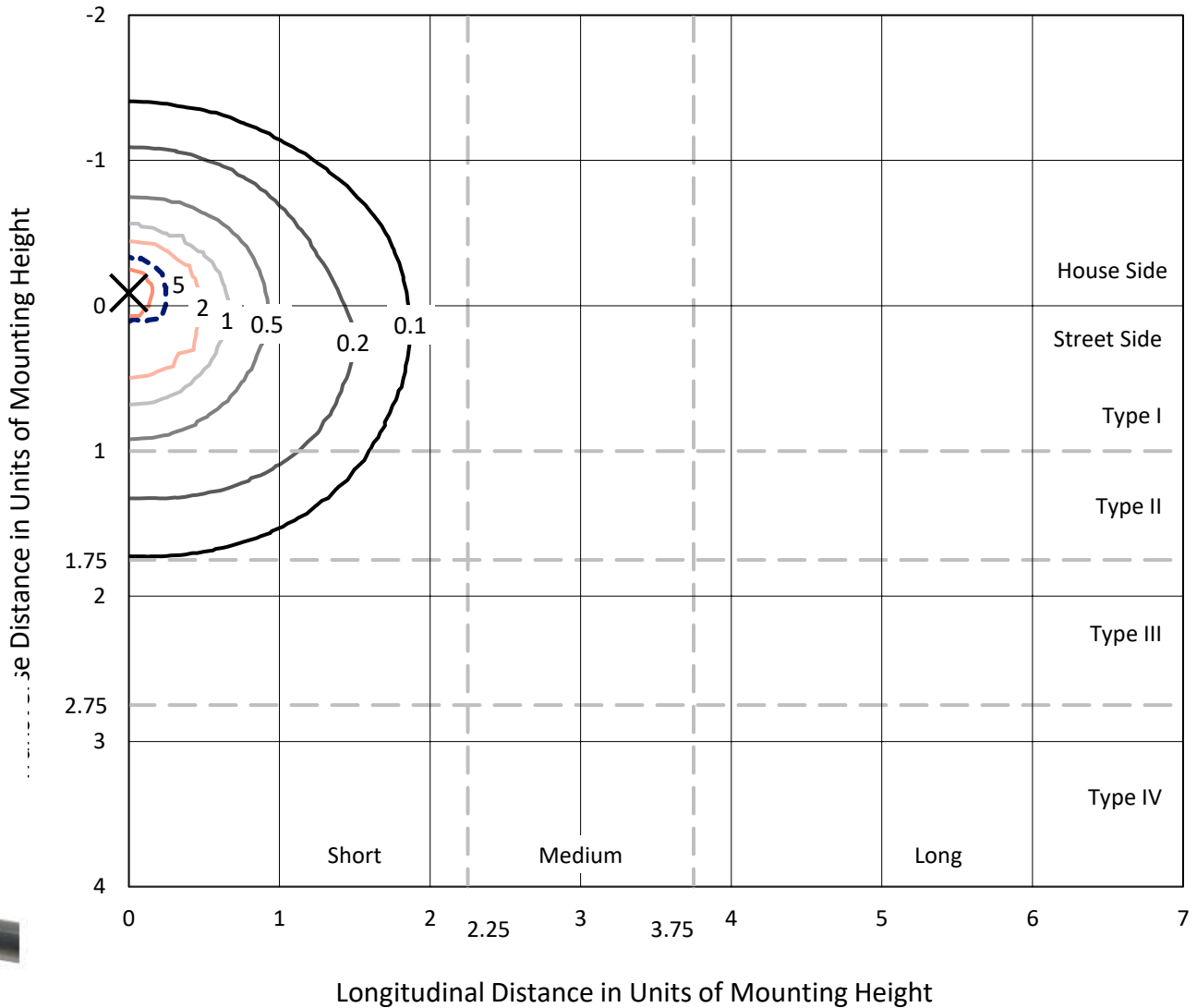
Input Watts (W): 41.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

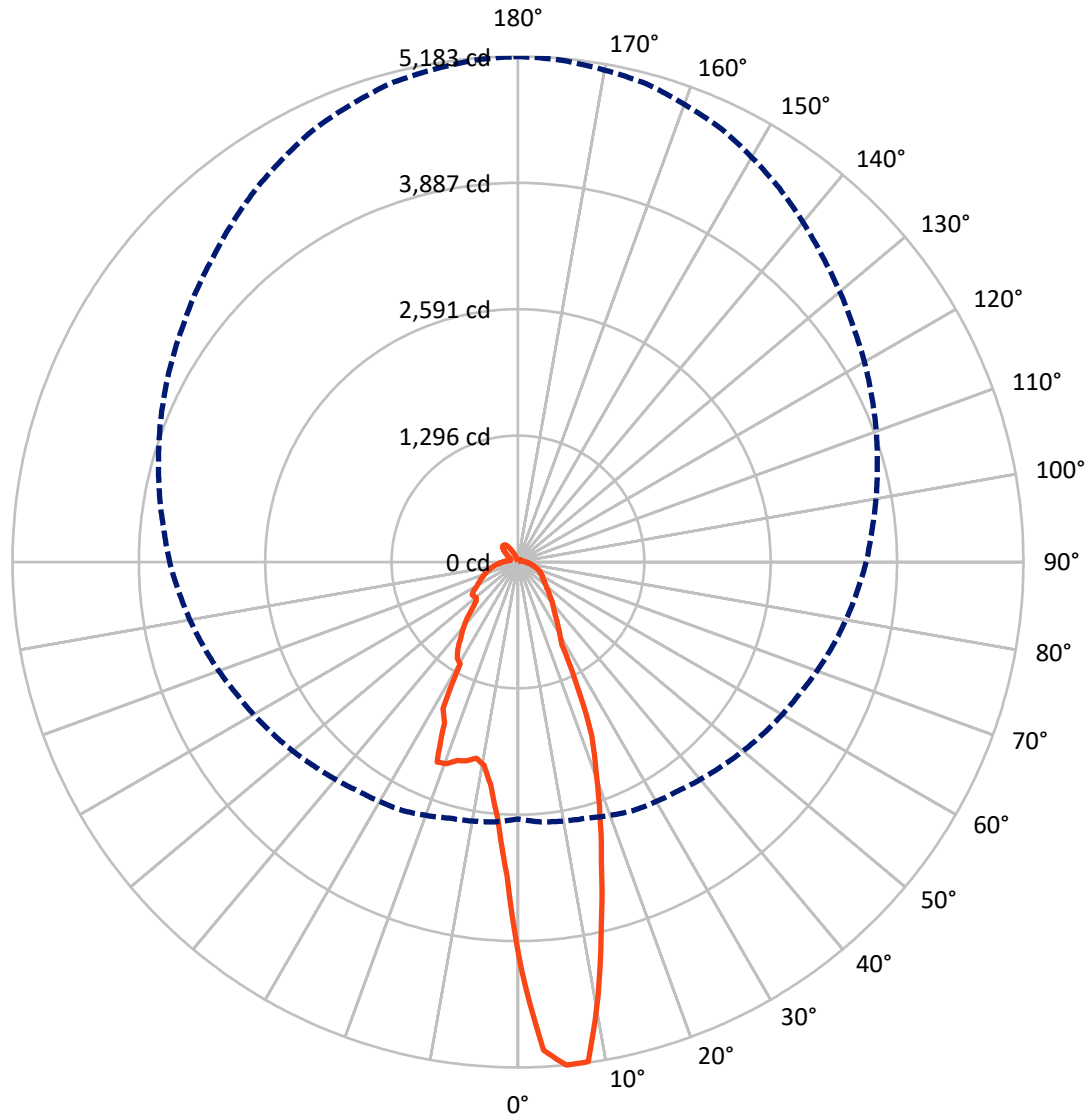
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 180-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

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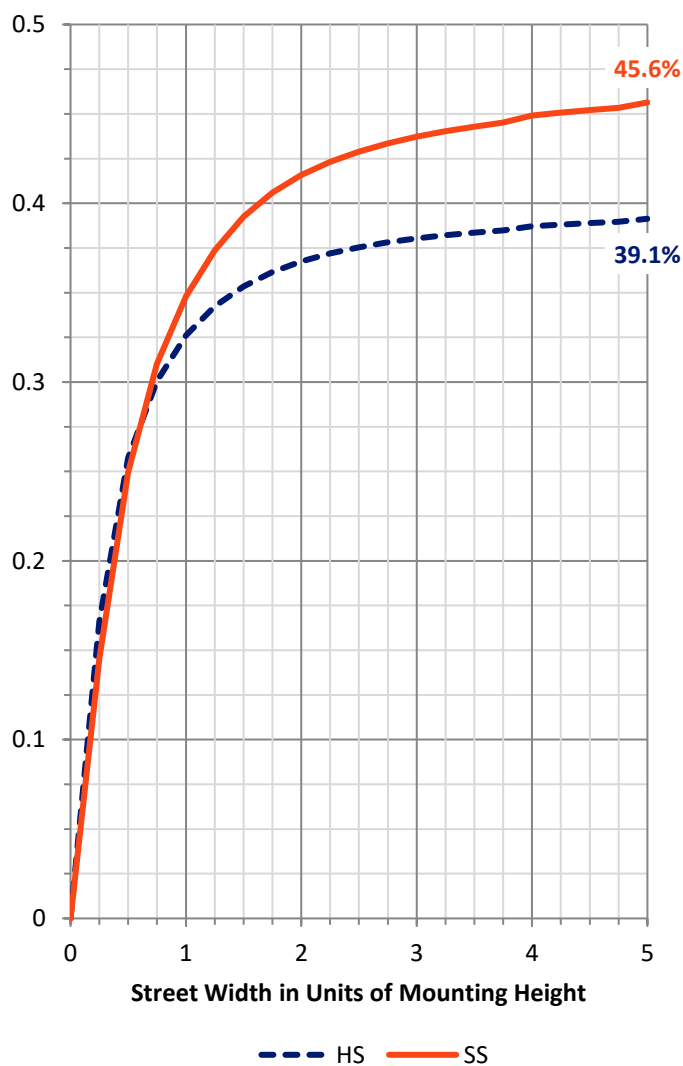
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2004.4	214.9	2219.3
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	2339.1	428.7	2767.7
	% Fixture	46.9	8.6	55.5
Total	Lumens	4343.4	643.6	4987.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.2	6.7
10°-20°	718.9	14.4
20°-30°	791.6	15.9
30°-40°	581.7	11.7
40°-50°	487.4	9.8
50°-60°	489.0	9.8
60°-70°	418.8	8.4
70°-80°	312.0	6.3
80°-90°	208.8	4.2
90°-100°	124.0	2.5
100°-110°	72.0	1.4
110°-120°	67.0	1.3
120°-130°	97.1	1.9
130°-140°	130.7	2.6
140°-150°	105.8	2.1
150°-160°	41.8	0.8
160°-170°	5.1	0.1
170°-180°	0.0	0.0
0°-90°	4343.4	87.1
0°-180°	4987.0	100.0

Coefficient of Utilization



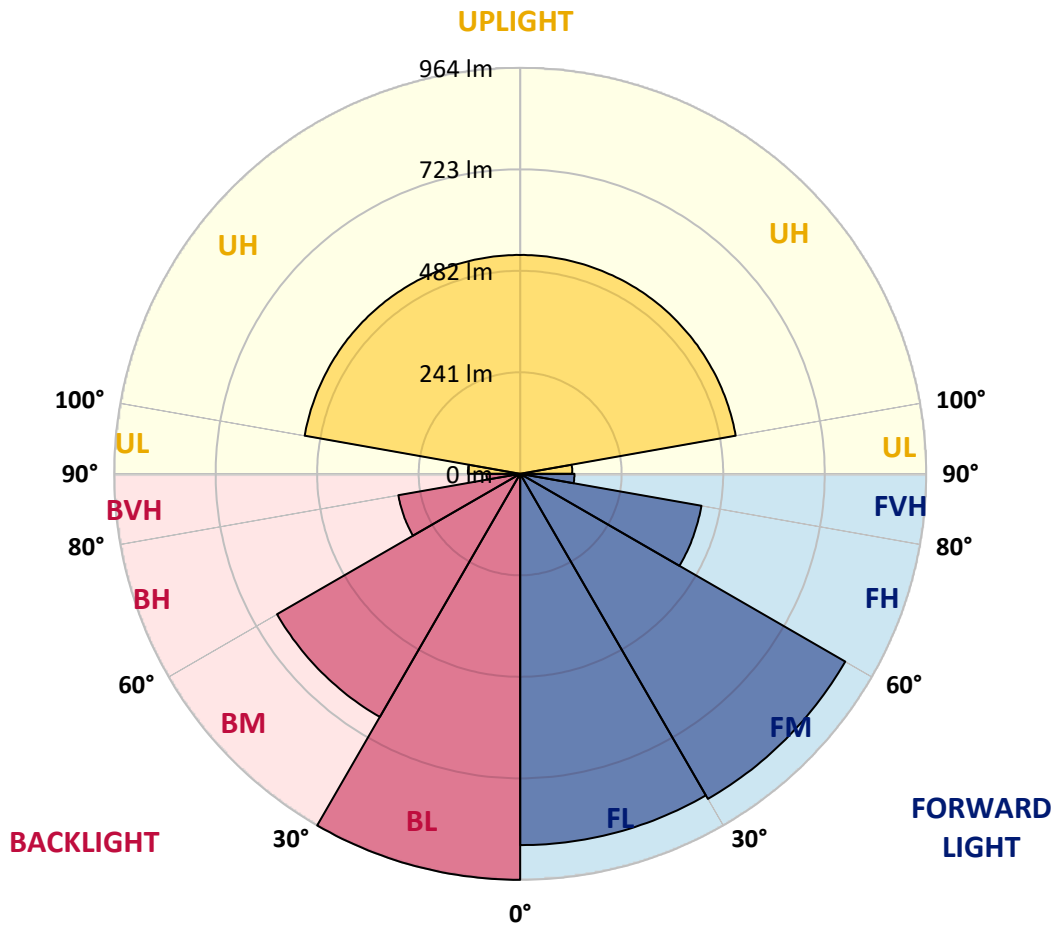
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	881.7	17.7			
FM (30°-60°)	891.4	17.9			
FH (60°-80°)	437.0	8.8			G0/660
FVH (80°-90°)	128.9	2.6			G2/225
BL (0°-30°)	964.0	19.3	B2/1000		
BM (30°-60°)	666.7	13.4	B1/1000		
BH (60°-80°)	293.8	5.9	B1/500		G1/500
BVH (80°-90°)	79.9	1.6			G1/100
UL (90°-100°)	124.0	2.5		U3/500	
UH (100°-180°)	519.6	10.4		U4/1000	

BUG Rating: B2-U4-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4174.6	4174.6	4174.6	4174.6	4174.6	4174.6	4174.6	4174.6	4174.6	4174.6	4174.6
2.5°	3216.1	3263.6	3287.4	3358.7	3382.5	3428.0	3497.3	3566.6	3683.5	3770.6	3837.9
5°	2635.9	2675.5	2719.0	2810.1	2863.6	2958.7	3069.6	3188.4	3338.9	3491.4	3570.6
7.5°	2297.2	2307.1	2370.5	2481.4	2578.4	2679.4	2800.2	2903.2	3006.2	3130.9	3210.2
10°	2111.1	2124.9	2166.5	2251.7	2334.8	2418.0	2513.1	2592.3	2697.2	2802.2	2849.7
12.5°	2055.6	2061.6	2097.2	2146.7	2200.2	2253.6	2326.9	2398.2	2491.3	2582.4	2614.1
15°	2105.1	2105.1	2111.1	2130.9	2158.6	2200.2	2255.6	2317.0	2402.2	2469.5	2503.2
17.5°	2128.9	2130.9	2146.7	2150.7	2176.4	2194.2	2243.7	2291.3	2372.5	2427.9	2445.7
20°	2192.3	2192.3	2194.2	2204.1	2208.1	2218.0	2239.8	2265.5	2332.9	2362.6	2358.6
22.5°	2212.1	2204.1	2235.8	2293.3	2291.3	2293.3	2273.5	2279.4	2317.0	2305.1	2277.4
25°	1816.0	1806.1	1841.7	1877.4	1928.9	1994.2	2156.6	2283.4	2330.9	2293.3	2231.9
27.5°	1689.2	1645.7	1635.8	1550.6	1473.4	1346.6	1334.8	1255.5	1247.6	1297.1	1342.7
30°	1200.1	1202.1	1200.1	1192.2	1186.2	1192.2	1198.1	1184.3	1188.2	1219.9	1206.0
32.5°	1170.4	1170.4	1162.5	1158.5	1140.7	1134.7	1124.8	1099.1	1103.1	1126.8	1120.9
35°	1091.2	1087.2	1089.2	1079.3	1047.6	1021.9	1017.9	996.1	996.1	1010.0	1004.0
37.5°	972.4	966.4	990.2	988.2	962.5	952.6	942.7	928.8	928.8	940.7	928.8
40°	879.3	875.3	901.1	909.0	893.1	897.1	899.1	887.2	899.1	901.1	885.2
42.5°	780.3	778.3	800.1	798.1	784.2	782.2	780.3	772.3	792.1	808.0	796.1
45°	663.4	657.5	673.3	679.3	675.3	669.4	667.4	667.4	679.3	687.2	675.3
47.5°	586.2	588.2	600.0	613.9	617.9	621.8	619.9	615.9	623.8	625.8	615.9
50°	560.4	562.4	580.2	596.1	608.0	615.9	615.9	610.0	615.9	610.0	596.1
52.5°	572.3	572.3	596.1	619.9	639.7	653.5	655.5	647.6	647.6	631.7	610.0
55°	576.3	580.2	611.9	651.5	687.2	724.8	742.6	736.7	742.6	709.0	673.3
57.5°	538.7	548.6	580.2	627.8	675.3	734.7	772.3	776.3	774.3	744.6	701.0
60°	489.1	497.1	518.9	560.4	606.0	653.5	691.1	699.1	707.0	693.1	653.5
62.5°	455.5	459.4	477.3	507.0	538.7	564.4	578.3	576.3	584.2	580.2	550.5
65°	425.8	427.8	447.6	471.3	491.1	516.9	520.8	520.8	526.8	518.9	495.1
67.5°	394.1	394.1	409.9	431.7	455.5	477.3	483.2	485.2	493.1	485.2	467.4
70°	366.4	366.4	380.2	398.1	415.9	437.7	443.6	445.6	455.5	445.6	427.8
72.5°	340.6	340.6	352.5	368.3	384.2	402.0	408.0	409.9	417.9	408.0	394.1
75°	312.9	314.9	324.8	338.6	352.5	368.3	376.3	376.3	382.2	370.3	358.4
77.5°	285.2	287.2	297.1	308.9	320.8	336.7	340.6	342.6	348.5	336.7	324.8
80°	257.4	261.4	269.3	279.2	291.1	303.0	310.9	310.9	314.9	303.0	295.1
82.5°	231.7	235.7	241.6	249.5	261.4	273.3	281.2	281.2	283.2	273.3	263.4
85°	206.0	209.9	215.9	221.8	231.7	243.6	251.5	251.5	253.5	243.6	235.7
87.5°	182.2	186.2	190.1	196.1	204.0	215.9	223.8	223.8	223.8	215.9	207.9
90°	158.4	160.4	164.4	170.3	178.2	188.1	194.1	196.1	196.1	186.2	182.2
92.5°	140.6	140.6	144.6	148.5	156.4	164.4	170.3	172.3	172.3	166.4	160.4
95°	120.8	122.8	124.8	128.7	134.7	140.6	148.5	148.5	148.5	144.6	140.6
97.5°	106.9	105.0	106.9	108.9	114.9	118.8	124.8	126.7	126.7	122.8	120.8
100°	91.1	93.1	93.1	95.1	97.0	99.0	103.0	105.0	105.0	103.0	103.0
102.5°	85.2	83.2	83.2	83.2	83.2	83.2	85.2	85.2	87.1	85.2	83.2
105°	79.2	79.2	79.2	79.2	77.2	77.2	77.2	77.2	75.3	73.3	73.3
107.5°	77.2	77.2	77.2	77.2	75.3	75.3	73.3	73.3	71.3	69.3	67.3
110°	77.2	77.2	77.2	77.2	75.3	73.3	73.3	71.3	69.3	67.3	65.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	81.2	81.2	81.2	81.2	77.2	75.3	73.3	73.3	69.3	67.3	65.4
115°	89.1	89.1	87.1	87.1	85.2	81.2	79.2	77.2	75.3	71.3	69.3
117.5°	97.0	97.0	97.0	97.0	95.1	91.1	87.1	85.2	83.2	77.2	75.3
120°	110.9	110.9	110.9	112.9	108.9	105.0	101.0	97.0	95.1	89.1	85.2
122.5°	128.7	126.7	130.7	132.7	130.7	124.8	118.8	114.9	110.9	103.0	99.0
125°	146.5	146.5	150.5	156.4	156.4	150.5	142.6	136.6	132.7	120.8	114.9
127.5°	168.3	168.3	174.3	184.2	186.2	180.2	172.3	164.4	158.4	142.6	136.6
130°	188.1	188.1	200.0	211.9	217.8	211.9	204.0	194.1	186.2	168.3	158.4
132.5°	204.0	206.0	219.8	235.7	243.6	241.6	231.7	223.8	215.9	194.1	182.2
135°	219.8	221.8	237.6	257.4	267.3	267.3	259.4	249.5	239.6	215.9	202.0
137.5°	227.7	229.7	249.5	269.3	281.2	285.2	281.2	271.3	261.4	235.7	217.8
140°	227.7	231.7	251.5	271.3	283.2	289.1	289.1	279.2	269.3	245.6	227.7
142.5°	221.8	225.8	243.6	263.4	275.3	283.2	285.2	277.3	267.3	243.6	225.8
145°	209.9	211.9	229.7	247.5	259.4	269.3	273.3	267.3	255.5	235.7	217.8
147.5°	190.1	190.1	206.0	219.8	235.7	245.6	251.5	247.5	237.6	219.8	204.0
150°	162.4	162.4	174.3	188.1	202.0	213.9	219.8	219.8	209.9	196.1	180.2
152.5°	128.7	130.7	138.6	150.5	164.4	174.3	182.2	182.2	176.3	164.4	150.5
155°	99.0	99.0	105.0	112.9	124.8	134.7	140.6	140.6	136.6	126.7	118.8
157.5°	71.3	71.3	75.3	83.2	91.1	99.0	105.0	105.0	101.0	95.1	89.1
160°	47.5	47.5	49.5	55.5	61.4	67.3	71.3	73.3	71.3	67.3	61.4
162.5°	25.7	25.7	27.7	31.7	35.6	41.6	43.6	45.5	45.5	41.6	39.6
165°	7.9	7.9	7.9	11.9	13.9	17.8	19.8	21.8	21.8	21.8	19.8
167.5°	2.0	2.0	2.0	2.0	2.0	2.0	4.0	5.9	5.9	5.9	5.9
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	4174.6	4174.6	4174.6	4174.6	4174.6	4174.6	4174.6	4174.6	4174.6	4174.6	4174.6
2.5°	3901.3	4047.9	4210.2	4376.6	4546.9	4707.3	4842.0	4948.9	5006.3	5020.2	5012.3
5°	3641.9	3814.2	4004.3	4198.4	4420.2	4675.6	4909.3	5077.6	5164.8	5178.6	5182.6
7.5°	3271.6	3422.1	3608.2	3832.0	4111.2	4384.5	4744.9	4996.4	5137.1	5174.7	5174.7
10°	2881.4	3014.1	3130.9	3327.0	3570.6	3826.1	4133.0	4364.7	4507.3	4552.8	4513.2
12.5°	2661.6	2719.0	2798.2	2942.8	3095.3	3289.4	3554.7	3705.3	3798.3	3826.1	3802.3
15°	2521.0	2550.7	2584.4	2645.8	2752.7	2873.5	3029.9	3123.0	3180.5	3214.1	3202.2
17.5°	2453.7	2453.7	2447.7	2461.6	2489.3	2544.8	2651.7	2685.4	2711.1	2725.0	2717.1
20°	2350.7	2319.0	2293.3	2253.6	2237.8	2235.8	2261.6	2297.2	2295.2	2297.2	2281.4
22.5°	2247.7	2182.4	2119.0	2059.6	1992.2	1958.6	1934.8	1946.7	1936.8	1946.7	1936.8
25°	2198.2	2065.5	1938.8	1794.2	1673.4	1580.3	1518.9	1481.3	1417.9	1441.7	1419.9
27.5°	1364.5	1309.0	1255.5	1148.6	1047.6	1012.0	982.3	966.4	954.5	960.5	956.5
30°	1182.3	1136.7	1095.1	1039.7	962.5	914.9	879.3	847.6	837.7	839.7	837.7
32.5°	1097.1	1061.5	1010.0	952.6	883.2	823.8	782.2	752.5	736.7	746.6	738.7
35°	982.3	946.6	903.0	849.6	790.2	736.7	697.1	669.4	651.5	655.5	653.5
37.5°	907.0	873.3	835.7	778.3	726.8	675.3	635.7	608.0	590.1	594.1	590.1
40°	863.4	825.8	786.2	734.7	683.2	629.8	592.1	560.4	542.6	542.6	542.6
42.5°	774.3	744.6	710.9	657.5	611.9	566.4	528.8	505.0	485.2	487.2	483.2
45°	661.4	639.7	613.9	578.3	540.6	505.0	473.3	455.5	439.6	441.6	439.6
47.5°	604.0	584.2	554.5	526.8	493.1	461.4	433.7	411.9	400.0	402.0	398.1
50°	582.2	558.5	524.8	487.2	455.5	423.8	396.1	380.2	368.3	370.3	368.3
52.5°	590.1	552.5	505.0	459.4	421.8	390.1	368.3	350.5	342.6	344.6	340.6
55°	641.6	576.3	505.0	447.6	400.0	364.4	342.6	322.8	314.9	314.9	314.9
57.5°	659.5	588.2	499.1	433.7	382.2	346.6	320.8	301.0	293.1	293.1	293.1
60°	617.9	556.5	475.3	413.9	366.4	332.7	310.9	297.1	291.1	291.1	291.1
62.5°	528.8	489.1	427.8	378.2	342.6	312.9	291.1	273.3	267.3	265.4	265.4
65°	479.2	441.6	390.1	348.5	316.9	293.1	273.3	259.4	251.5	251.5	251.5
67.5°	447.6	411.9	364.4	324.8	295.1	269.3	251.5	237.6	233.7	231.7	231.7
70°	411.9	378.2	330.7	295.1	267.3	245.6	227.7	215.9	211.9	211.9	209.9
72.5°	376.3	344.6	299.0	265.4	239.6	219.8	204.0	194.1	190.1	188.1	188.1
75°	342.6	310.9	269.3	237.6	213.9	196.1	182.2	172.3	168.3	168.3	168.3
77.5°	310.9	281.2	241.6	211.9	192.1	174.3	162.4	154.5	150.5	150.5	150.5
80°	281.2	251.5	215.9	188.1	168.3	154.5	144.6	136.6	132.7	134.7	132.7
82.5°	249.5	225.8	192.1	166.4	150.5	136.6	126.7	120.8	116.8	118.8	116.8
85°	223.8	200.0	168.3	146.5	130.7	118.8	110.9	105.0	101.0	103.0	101.0
87.5°	198.0	176.3	148.5	128.7	114.9	105.0	95.1	91.1	89.1	89.1	87.1
90°	170.3	150.5	126.7	110.9	97.0	89.1	81.2	77.2	75.3	73.3	73.3
92.5°	150.5	134.7	112.9	99.0	87.1	81.2	73.3	69.3	67.3	67.3	67.3
95°	132.7	118.8	101.0	89.1	81.2	73.3	67.3	65.4	63.4	63.4	61.4
97.5°	114.9	103.0	91.1	81.2	73.3	67.3	61.4	59.4	57.4	57.4	57.4
100°	97.0	89.1	79.2	71.3	65.4	61.4	55.5	53.5	51.5	51.5	51.5
102.5°	81.2	75.3	67.3	61.4	57.4	53.5	49.5	47.5	45.5	45.5	45.5
105°	71.3	65.4	61.4	55.5	51.5	47.5	45.5	41.6	39.6	39.6	39.6
107.5°	65.4	61.4	57.4	53.5	49.5	45.5	41.6	37.6	35.6	35.6	35.6
110°	63.4	59.4	55.5	51.5	47.5	43.6	41.6	35.6	33.7	33.7	33.7



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	63.4	61.4	57.4	53.5	49.5	45.5	41.6	33.7	31.7	31.7	31.7
115°	67.3	63.4	59.4	55.5	51.5	47.5	43.6	33.7	31.7	31.7	31.7
117.5°	73.3	69.3	63.4	59.4	55.5	49.5	43.6	35.6	31.7	31.7	31.7
120°	83.2	77.2	71.3	65.4	59.4	53.5	45.5	35.6	29.7	31.7	31.7
122.5°	95.1	89.1	79.2	71.3	65.4	57.4	47.5	37.6	29.7	31.7	31.7
125°	110.9	103.0	91.1	81.2	71.3	61.4	49.5	37.6	29.7	31.7	33.7
127.5°	128.7	116.8	103.0	89.1	77.2	65.4	53.5	39.6	29.7	33.7	33.7
130°	148.5	134.7	116.8	99.0	85.2	69.3	55.5	39.6	31.7	31.7	31.7
132.5°	170.3	150.5	126.7	106.9	89.1	71.3	55.5	39.6	31.7	31.7	31.7
135°	186.2	162.4	136.6	112.9	93.1	73.3	57.4	39.6	29.7	29.7	29.7
137.5°	200.0	172.3	144.6	116.8	95.1	73.3	55.5	37.6	29.7	27.7	27.7
140°	207.9	176.3	144.6	116.8	93.1	71.3	51.5	35.6	25.7	25.7	25.7
142.5°	207.9	174.3	142.6	112.9	87.1	67.3	49.5	31.7	23.8	23.8	23.8
145°	200.0	166.4	134.7	106.9	81.2	61.4	43.6	29.7	21.8	21.8	21.8
147.5°	186.2	152.5	122.8	97.0	71.3	53.5	37.6	23.8	17.8	17.8	17.8
150°	166.4	134.7	106.9	83.2	61.4	43.6	31.7	19.8	13.9	13.9	13.9
152.5°	138.6	112.9	87.1	69.3	49.5	35.6	23.8	15.8	11.9	11.9	11.9
155°	108.9	89.1	69.3	53.5	37.6	25.7	17.8	11.9	7.9	7.9	7.9
157.5°	83.2	67.3	51.5	39.6	27.7	19.8	13.9	7.9	5.9	5.9	5.9
160°	57.4	45.5	35.6	27.7	17.8	13.9	9.9	5.9	4.0	4.0	4.0
162.5°	37.6	29.7	21.8	15.8	11.9	7.9	5.9	4.0	2.0	2.0	2.0
165°	17.8	13.9	11.9	7.9	5.9	4.0	2.0	2.0	0.0	0.0	0.0
167.5°	5.9	4.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)